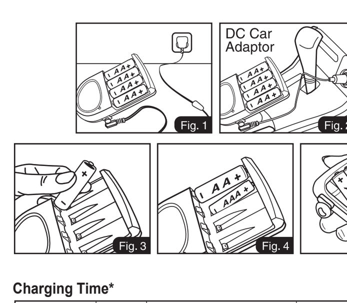
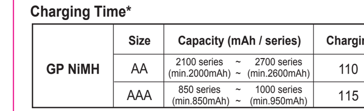
PB50_NEU Manual

2 Hrs* with Battery Ejector

GP PowerBank H500

Instruction Manual





Charging Time*

GP NiMH	Size	Capacity (mAh / series)	Charging Time (mins)
	AA	2100 series (min.2000mAh) ~ 2700 series (min.2600mAh)	110 ~ 285
	AAA	850 series (min.850mAh) ~ 1000 series (min.950mAh)	115 ~ 260

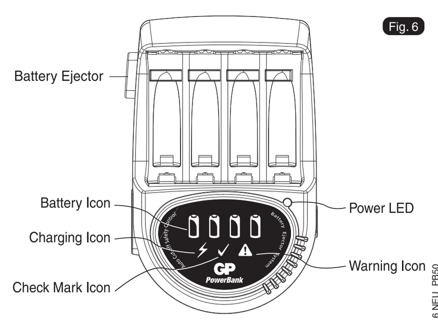
Specifications

Plug Type	Input	Output	Charging Current (mA) AA 1-2 pcs	AA 3 pcs	AA 4 pcs	AAA 1-2 pcs	AAA 3 pcs	AAA 4 pcs	Trickle Charge Current (mA) AA 1-4 pcs	AAA 1-4 pcs
GS BS	AC100-240V 50/60Hz	DC1.6V	1150	766	575	475	317	237.5	102.5	42.5
UL	AC100-120V 60Hz	DC1.6V	1100	733	550	475	317	237.5	98	42.5

LED Indications (Refer to Fig. 6)

Condition	Indication
• Power connected	• Green power LED on
• GP NiMH battery inserted in charger and charging in progress	• Orange battery icon and charging icon slow pulsing
• Wrong / damaged battery inserted	• Orange battery icon and red warning icon fast blinking
• Full charge or trickle charge	• Orange battery icon solid on
• All batteries fully charged	• Green check mark icon on

Fig. 6



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Charger Features

GB

- Compact charger with AC cord
- Charge 1 to 4 AA or AAA NiMH rechargeable batteries
- Equipped with 4 individual charging channels
- Termination methods:
  - Individual minus delta voltage (-dV)
  - Individual temperature sensor
  - Individual safety timer
- Over-temperature protection
- Primary and damaged batteries detection
- Easy check LED icons
- Battery ejector
- Safety guaranteed

Read the instruction manual thoroughly before use. Keep the manual for future reference.

Charging Instructions

1. Charge 1 to 4 AA or AAA NiMH batteries in any combination. Each charging slot can only charge 1 battery (either AA or AAA).
2. Connect the provided AC cord with the charger and plug it into the power source. (Fig. 1) OR connect GP DC 12V car adaptor to the charger and plug it into the cigarette lighter jack. (Fig. 2) DC car adaptor is only included in select models.
3. Power LED will light up when power is connected.
4. Insert AA or AAA NiMH batteries into the charging slots according to the polarity indications (+/-). Different contact plates for AA and AAA NiMH batteries are set in the outer and inner part of the charging slots respectively. (Fig. 3) When inserting AAA batteries into the charging slots, slant the batteries to ensure smooth contact with the plates. (Fig. 4)
5. Battery Icon and Charging Icon will pulse slowly when charging is in process.
6. If alkaline, carbon zinc, lithium, rechargeable alkaline or damaged batteries are mistakenly inserted into the charging slots, the corresponding Battery Icon and the Warning Icon will blink fastly and the charger will stop charging. All other Battery Icons will turn off.
7. If the charger does not work properly, all Battery Icons and the Charging Icon will turn off. The Warning Icon and Power LED will blink. The charger will stop charging.
8. Battery Icon will be solid on when battery is fully charged and in trickle charge mode. The Check Mark Icon will be on when all batteries are fully charged.
9. Once charging is complete, unplug the charger from the power source and remove the batteries with the battery ejector. (Fig. 5)

For best performance and optimal safety, charge GP NiMH batteries with GP PowerBank.

Attention

1. It is normal for batteries to become hot during charging and they will gradually cool down to room temperature after being fully charged.
2. For best result, use GP PowerBank H500 at room temperature with good ventilation.
3. Charging time may vary based on different battery capacities. (Refer to the Charging Time Table)
4. Remove batteries from an electrical device if it will not be used for a long time.
5. If the performance of the batteries decreases substantially, it is time to replace the batteries.
6. The batteries should be removed from the charger before they are scrapped and disposed of properly.
7. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent to avoid a hazard.

Caution

1. Charge GP Nickel Metal Hydride (NiMH) batteries only.
2. Do not charge other types of batteries, such as alkaline, carbon zinc, lithium, rechargeable alkaline or any other unspecified batteries, as they may leak or burst, causing personal injury and damage.
3. Never use an extension cord or any attachment not recommended by GP, as this may lead to a risk of fire, electric shock or personal injury.
4. Unplug the charger from the outlet before attempting to clean or when not in use.
5. Do not short circuit batteries.
6. Do not wet, incinerate or disassemble the charger and batteries.
7. For indoor and dry location use only. Do not expose the charger to rain, snow or extreme conditions.

For charging conventional GP NiMH rechargeable batteries

1. For brand new batteries, 2 to 3 times of charging and usage cycles are required to optimize the batteries' performance.
2. If batteries are stored for more than one week, always recharge them before use.

For charging new generation NiMH rechargeable batteries (GP ReCyko+ batteries)

1. GP ReCyko+ batteries are pre-charged. No need to recharge prior to first use. Please recharge if the batteries cannot power up your devices.
2. GP ReCyko+ batteries come with good capacity retention. Remove the batteries and unplug the charger once the charging is complete. Do not leave batteries in the charger for extended periods. Always unplug the charger when it is not in use.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undersired operation.

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

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